

This is a list of all resources I have used for Learning Machine Learning. Still early in my ML career so I have dived into everything, from NLP, Computer Vision, Diffusion Models etc. Haven't quite decided what to focus on just yet:

1. Use these guys as a roadmap for studying if you want to become a top 3% Engineer: <https://metacademy.org/browse> (Take note of the first entry. Very important)
2. Read this if you want to become a great engineer: <https://www.cs.virginia.edu/~robins/YouAndYourResearch.html>
3. Hugging Face Course on NLP: <https://huggingface.co/learn/nlp-course/chapter1/1>
4. Hugging Face Course on Deep Reinforcement Learning: <https://huggingface.co/learn/deep-rl-course/unit0/introduction>
5. Hugging Face Audio Transformers Course: <https://huggingface.co/learn/audio-course/chapter0/introduction>
6. Hugging Face Diffusers: https://huggingface.co/docs/diffusers/tutorials/tutorial_overview
7. Imagen Text-to-video research paper: <https://imagen.research.google/video/paper.pdf>
8. Buy this book on Transformers: <https://machinelearning.samcart.com/products/transformer-models-with-attention/>
9. Transformer Models crash course blog: <https://machinelearningmastery.com/building-transformer-models-with-attention-crash-course-build-a-neural-machine-translator-in-12-days/> or this one: <https://www.turing.com/kb/brief-introduction-to-transformers-and-their-power>
10. Machine Learning Mastery E-books: <https://machinelearningmastery.com/products/> (Get them on PDFDrive for free.)
11. 100 Days of Machine Learning Code: <https://github.com/aurimas13/Machine-Learning-Goodness#table-of-contents>
12. Stanford CS224N: NLP with Deep Learning: <https://www.youtube.com/playlist?list=PLoROMvodv4rOSH4v6133s9LFPRHjEmbmJ>
13. Deep Learning Course (New York University): <https://www.youtube.com/playlist?list=PL80I41oVxglKcAHllsU0txr3OuTTaWX2v>
14. Deep Learning (Stanford University) CS231N: <https://www.youtube.com/playlist?list=PLSVEhWrZWDHQTBMWZufjxpw3s8sveJtnJ>
15. Stanford CS330 Deep Multitask and Meta Learning: <https://www.youtube.com/playlist?list=PLoROMvodv4rNjRoawgt72BBNwL2V7doGI>
16. Stanford Computer vision: https://www.youtube.com/playlist?list=PLf7L7Kg8_FNxHATtLwDceyh72QQL9pvpQ
17. Stanford CS231: <https://www.youtube.com/playlist?list=PLkt2uSq6rBVctENoVBg1TpCC7OQi31AIC>
18. Stanford CS230: https://www.youtube.com/playlist?list=PLoROMvodv4rOABXSygHTsbvUz4G_YQhOb
19. Stanford CS229: <https://www.youtube.com/playlist?list=PLoROMvodv4rMiGQp3WXShTMGgzqpfVfbU>
20. Neural Networks Zero to Hero (Andrej Karapthy): <https://www.youtube.com/playlist?list=PLAqhlrjkxbuWI23v9cThsA9GvCAUhRvKZ>
21. Yuri Kashnitsky YT channel (ML course): <https://www.youtube.com/@festline>

22. Alexander Amini YT channel (DL Course): <https://www.youtube.com/@AAmini>
23. Random Talks on AI: <https://www.youtube.com/@Maaaarth>
24. Kaggle courses on ML and DL: <https://www.kaggle.com/learn>
25. Diffusers courses: (YT: <https://www.youtube.com/watch?v=09o5cv6u76c>)
<https://colab.research.google.com/drive/1YYsx5HPJv65v66-3vfYEsMiLge9sN0FP#scrollTo=QOvw1ej7suWg>
26. Training Stable Diffusion with DreamBooth using Diffusers:
<https://huggingface.co/blog/dreambooth#:~:text=Dreambooth%20is%20a%20technique%20to%20teach%20new%20concepts,styles.%20%F0%9F%A7%A8%20Diffusers%20provides%20a%20Dreambooth%20training%20script.>
27. Stable Diffusion Google Colab Intro:
https://colab.research.google.com/github/huggingface/notebooks/blob/main/diffusers/stable_diffusion.ipynb
28. Best Text-to-Video models Github: <https://github.com/showlab/Awesome-Video-Diffusion>
29. Learn about AI Agents from these guys (they also have cool ways of building models-low code);
<https://www.steamship.com/learn/agent-guidebook/generate-images/generate-stable-diffusion-images>
30. Practical Deep Learning for Coders part 1:
https://www.youtube.com/watch?v=8SF_h3xF3cE&list=PLfYUBJiXbdtSvpQjSnJJ_PmDQB_VyT5iU
31. Impractical Deep Learning For coders part 2:
https://www.youtube.com/watch?v=_7rMfsA24Ls&list=PLfYUBJiXbdtRUvTUypLdfHHp9a58nWVXP (Mostly covers Stable Diffusion)
32. NVIDIA's Free Courses:
<https://developer.nvidia.com/join-nvidia-developer-program?ncid=ref-dev-171762-freedli>
33. Practical Deep Learning course by Fast.ai: <https://course.fast.ai/>
34. An entire ML personal journal, written by a student documenting his life: <https://aman.ai/>
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